



## **HD NVR and HD CMS 2.5.4 Release Note**

**Mar 2012**

**Genius Vision Digital Inc.**

CONFIDENTIAL

Copyright ©2012 Genius Vision Digital Inc.

The products and programs described in this document are licensed products of Genius Vision Digital Inc.

This document contains proprietary information protected by copyright. This document and all accompanying software and documentation are copyrighted.

Genius Vision Digital Inc. does not warrant that the software will work properly in all environments and applications, and makes no warranty and representation, either implied or expressed, with respect to the quality, performance, merchantability, or fitness for a particular purpose.

Information in this document is subject to change without notice and does not represent a commitment on the part of Genius Vision Digital Inc. Genius Vision Digital Inc. assumes no responsibility for any inaccuracies that may be contained in this document.

No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or information storage and retrieval systems, for any purpose other than the purchaser's personal use, without the express written permission of Genius Vision Digital Inc.

Copyright ©2012 Genius Vision Digital Inc.

Website: <http://www.gvdigital.com>

E-mail: [support@gvdigital.com](mailto:support@gvdigital.com)

## Table of Contents

<b>1</b>	<b>Software Version .....</b>	<b>4</b>
<b>2</b>	<b>New Features .....</b>	<b>4</b>
<b>3</b>	<b>Bug Fixed .....</b>	<b>4</b>
<b>4</b>	<b>Known Issues.....</b>	<b>5</b>
<b>5</b>	<b>Software Compatibility .....</b>	<b>11</b>
<b>6</b>	<b>Upgrade Compatibility.....</b>	<b>11</b>
<b>7</b>	<b>Languages Supported.....</b>	<b>12</b>

## 1 Software Version

- ◆ HD NVR R2.5.4
- ◆ HD NVR Client R2.5.4
- ◆ Control Workstation R2.5.4

## 2 New Features

**F# 1:** New camera support:

- ◆ ADT-VSDB2MPTW, ADT-VSDB3MPTW, ADT-VSDD2MPTW-VF39HIRO, ADT-VSDD3MPTW-VF39HIRI, ADT-VSDD3MPTW-VF39HIRO, ADT-VSDDMPTW-VF3312SIRI, ADT-VSDDMPTW-VF3312SIRO, ADT-VSDVD-1CRA, ADT-VSDZ2MPTW-VF39HIRO, ADT-VSDZ3MPTW-VF39HIRO, ADT-VSDZMPTW-VF3312SIRO
- ◆ Appro LC-7421, LC-7431, LC-7523, LC-7533, LC-7526, LC-7536, LC-7451, LC-7553, LC-7556, LC-7411, LC-7513, LC-7516, VS-2401HBE
- ◆ Etrovision EV8581U, EV8781U, EV8580U
- ◆ RIVA RC1100M, RC3500, RC5500, RE1000 with VCA (Video Content Analysis)
- ◆ UDP IPE3500, IPE1100M, IPE5500, NVC1000 with VCA (Video Content Analysis)

**F# 2:** Support Vivotek FE8171V, Pixord PD636E, Mobotix Q22M Panoramic camera integration, suitable for ceiling, wall and table setting.

**F# 3:** Support NVR built-in system alarm for monitoring HDDs temperature, RPM (revolutions per minute) of all fans in case of the overheated

**F# 4:** Support one NVR connection in NAT network environment

**F# 5:** Easy operation by click mouse middle button for enable/disable PTZ

**F# 6:** Support 4x1 pattern suitable for Arecont 4 lens camera display

**F# 7:** Support Windows 7 OS (64bit) for Control Workstation and HD NVR Client

**F# 8:** iPhone, iPad enhancement:

- ◆ Support high resolution video for iPad
- ◆ Support more pattern option for iPad
- ◆ Smooth video play
- ◆ PTZ operation is more fluent

## 3 Bug Fixed

**# 4619:** The system may generate enormous log files after user enables storage volume.

**# 5124:** Multi NVRs which are in the same IP will always log in fail with handheld device.

**# 5458:** User cannot input characters to disable lock mode by using virtual keyboard if NVR is

already locked in some case.

**# 5476:** The debug log will output to "NONE" folder rather than "GVD" for all applications except engine.

**# 5484:** Display pattern name cannot save in Chinese and Japanese.

**# 5493:** When user saves viewers option to "Fit to Viewer" as the pattern, it will change back to "Image Aspect Ratio".

**# 5655:** HD NVR Manager cannot auto discovery Arecont DN series camera model.

**# 5732:** The Arecont 8 series image cannot take snapshot normally.

**# 5882:** In the rare case, volume will damage after rebooting HD NVR (M350AR, M640-JB).

**# 5957:** When user selects "1080P" resolution for Messoa NCB875-Pro, the frame rate cannot support "30" or "25".

**# 5978:** In the rare case, the OS application and system event log was corrupted when HD NVR Manager powering off suddenly.

**# 6088:** Appro VS-2112B PTZ feature cannot work.

**# 6142:** Vivotek FD8134V, 8134, SD8362E cannot get the video streaming.

**# 6158:** Lilin de-interlace option doesn't shown on.

#### **4 Known Issues**

**# 65:** Change network interface in configuration Mode has no effect.

**Workaround:** GVD NVR will always use the default network card in system.

**# 768:** In a rare case, HD NVR Manager/HD CMS Manager may stop functioning if the network bandwidth is very limited and not be able to provide a complete video packet for display.

**Note:** Since this issue does not affect recording function, re-login to HD NVR Manager/HD CMS Manager for continue operations.

**# 889:** In Windows Vista OS, create Storage Volume may fail if the HDD was formatted by GVD Storage Configuration Manager previously.

**Workaround:** Using Windows disk management to format the HDD to NTFS first.

**# 979:** When the bit rate of MPEG4 video is too small (less than 300Kb/sec), video decoding could fail and the video will not be displayed smoothly.

**Workaround:** Uses constant bit rate control instead of variable bit rate control in the camera setting.

**# 1514:** In a rare case, the system may stop functioning if HTML Map using Acrobat Reader 9.0 as the default PDF viewer to open pdf file in map.

**Workaround:** Users may downgrade to Acrobat Reader 8.0 if this happens.

**# 1699:** Video display frame rate will drop 2 to 3 frames per second if debug mode is turned on (hotkey F9).

**Workaround:** If user would like to check the frame rate of video, we suggest to use “Shift + F9” key to show the frame rate information only instead of “F9” key.

**# 1812:** HD NVR Manager/HD CMS Manager may not function normally after changing the screen resolution.

**Workaround:** Quit HD NVR Manager/HD CMS Manager before changing screen resolution.

**# 2404:** In a rare case, HD NVR Manager/HD CMS Manager may stop functioning when installing Arecont Vision cameras.

**Note:** Since this issue does not affect recording function, please re-login HD NVR Manager/HD CMS Manager for continue operations.

**# 2559:** Using “Alt + F4” to close GVD Player, HD NVR Manager/HD CMS Manager may freeze the user interface.

**Workaround:** Uses “x” button to close the Player instead of using Alt + F4.

**# 2796:** In a rare case, the tabs of the configuration page may disappear in configuration mode.

**Workaround:** Re-login HD NVR Manager/HD CMS Manager shall correct the issue.

**# 2801:** In a rare case, HD NVR Manager/HD CMS Manager may stop functioning when removing a camera.

**Note:** Since this issue will not affect recording function, re-login to HD NVR Manager/HD CMS Manager for continue operations.

**# 2899:** In a rare case, volume creation may fail if certain anti-virus software is installed.

**Workaround:** Turns off real-time protection of NOD32 4.0 before creating volumes.

**# 3020:** GVD Player may not run on a PC which has no GVD NVR program installed previously.

**Workaround:** Executes vcredist\_x86 in the bin folder to correct the environment manually.

**# 3588:** Users may not be able to remove volumes after pulling out the HDDs.

**Workaround:** Start “Storage Configuration Manager” program to re-scan the volumes.

**# 3692:** For XP embedded platform, when user executes “Intel® GMA Driver” option in the System Control panel, it may cause Intel® GMA Driver tool to crash. The applicable GVD products are M620-C032-OV , M630-C048-OV, and M640-C064-OV.

**Workaround:** Uses “Display” option in the System Control Panel to modify the display settings.

**# 3925:** For XP embedded platform, when user executes “nVideo Control Panel” option in the System Control panel, it may cause nVideo tool to crash. The applicable GVD products are M620-C032-DV, M630-C048-DV , and M640-C064-DV.

**Workaround:** Uses “Display” option in the System Control Panel to modify the display settings.

**# 4002:** For XP embedded platforms, when user uses “User Accounts” in the System Control panel, it may show a script error message.

**Workaround:** Please switch the System Control panel to Category View.

**# 4099:** For systems using Intel on-board VGA card, if the video display on the system exceeds the VGA capacity during the auto touring then it may causes HD NVR Manager to work abnormally.

**Workaround:** Software watch dog will restart HD NVR Manager automatically when necessary.

**# 4710:** If camera disconnected while user browsing in iPhone device mode, the status will not change to video loss in the device mode.

**Workaround:** Re-login NVR on iPhone to get the update status.

**# 4720:** The iPhone NVR Viewer cannot support panoramic cameras (ex: Arecont 8xxx series)

**# 4791:** When user tries to swap two channels in iPhone NVR Viewer, the rest of the channels in the layout will be shuffled.

**# 5169:** The front panel won't take effect when user changes HD NVR Manager IP address or network disable.

**# 5447:** In the HD NVR Manager, Lilin IPR712S cannot receive the motion detection.

**# 5449:** In the rare case, HD NVR (M640-JB) cannot detect lost the Extended Storage Server (M840-JB) connection.

**# 5469:** In the windows system, after unplugging the signal line of HD CMS Manager second monitor, it will miss the extend setting.

**# 5504:** HD NVR Manager cannot export more than 1 day recording data at a time

**Workaround:** User can manually keep pressing the export once the export progress is stop.

**# 5615:** In the rare chance, the HD NVR Manager and Web client channel icons are not the same.

**# 5646:** User needs to rescan volume manually when Extended Storage Server (M840-JB) lost the connection of HD NVR (M640-JB).

**# 5736:** In the 64 bit Windows 7 environment, uninstall shield won't backup in the backup folder properly.

**# 5766:** Sony SNC-CH210 doesn't support 2048x1536 (4:3) resolution setting.

**Workaround:** The user can set this resolution from the web.

**# 5868:** In the some case, export AVI clip will fail.

**# 5911:** In the dual codec mode, Web Client cannot get streaming when switching codec.

**# 5978:** In the rare case, the OS application and system event log was corrupted when HD NVR Manager powering off suddenly.



**# 6043:** When the user opens Sony camera event detection on web, the HD NVR Manager cannot detect motion alarm.

**Workaround:** Close the camera web page when the user needs to use the motion detection.

**# 6109:** In the MJPEG codec, Lilin IPD 5 series camera doesn't support full D1 resolution.

**# 6135:** If the user set Etrovision main channel's bitrate too high that will cause the sub channel video streaming not stable.

**Workaround:** Reduce the main channel bitrate.

**# 6148:** If the bitrate is under 256K, the actual ADT: ADT-VSDB3MPTW's video bitrate won't be synchronized.

**Workaround:** Set the bitrate higher than 256K.

**# 6164:** RIVA RE1000 video streaming is not stable if the user set the MJPEG quality too high.

**Workaround:** When the user use the MJPEG codec, set the quality not too high.

**# 6182:** In the some chance, RIVA RE1000 video streaming is not stable when the user enable sub channel with RTP/RTSP and RTP over RTSP protocol.

**# 6208:** After deleting the camera channel which has displayed in the viewer, the viewer will show "Searching Channel...", but not "No Video".

**# 6211:** When playing Arecont 4 lens camera in the high speed mode (8x, 16x, 32x), some streaming will be freeze.

**# 6230:** In the rare case, after enabling Pixord camera motion function it will cause video loss.

**# 6212:** Although FAN RPM is continually abnormal, but the alarm shows complete status after it has been acknowledged by user.

**# 6288:** When the user focus at the right viewer in the panoramics mode, the left viewer will show one more pixel line.

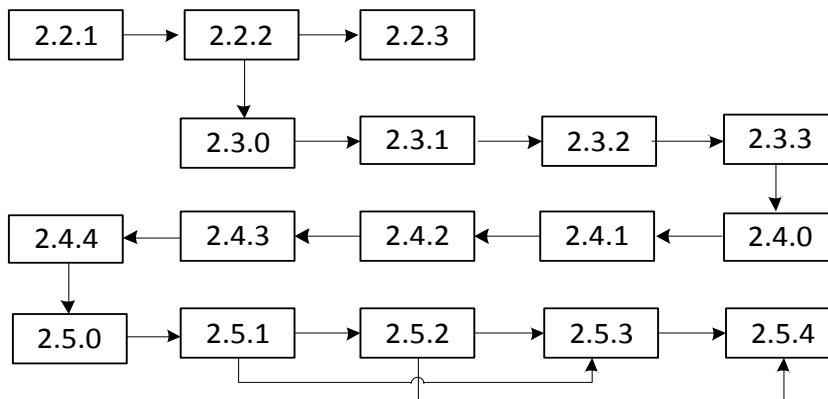
**#** In a rare case, volume creation may fail if the HDD was formatted by GVD Storage Configuration Manager previously.

**Workaround:** Using Windows Disk Management to delete the partition in this HDD first.

## 5 Software Compatibility

		Workstation Version					
		R2.2.1	R2.2.2	R2.2.3	R2.3.x	R2.4.x	R2.5.x
NVR Version	R2.2.1	V	V	V			
	R2.2.2		V	V			
	R2.2.3			V			
	R2.3.x				V	V	
	R2.4.x					V	V
	R2.5.x						V

## 6 Upgrade Compatibility



## **7 Languages Supported**

- ◆ Arabic
- ◆ Czech
- ◆ English
- ◆ Estonian
- ◆ French
- ◆ German
- ◆ Japanese
- ◆ Korean
- ◆ Portuguese
- ◆ Russian
- ◆ Simplified Chinese
- ◆ Traditional Chinese
- ◆ Spanish
- ◆ Swedish
- ◆ Turkish